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BEFORE THE ARIZONA CORPORATION COMMISSION

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ORIGINAL

BOB STUMP, CHAIRMAN
GARY PIERCE
BRENDA BURNS
BOB BURNS
SUSAN BITTER SMITH

AZ CORP COMMISSION
DOCKET CONTROL

IN THE MATTER OF THE APPLICATION OF
CHAPARRAL CITY WATER COMPANY FOR A
DETERMINATION OF THE CURRENT FAIR
VALUE OF ITS UTILITY PLANT AND
PROPERTY AND FOR INCREASE IN ITS RATES
AND CHARGES BASED THEREON.

DOCKET NO. W-02113A-13-0118

**STAFF NOTICE OF FILING
FINAL SCHEDULES**

The Utilities Division ("Staff") of the Arizona Corporation Commission ("Commission")
hereby files the final schedules of Gerald W. Becker in the above-captioned matter.

RESPECTFULLY SUBMITTED this 7th day of March, 2014.

Arizona Corporation Commission

DOCKETED

MAR 07 2014

DOCKETED BY

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Attorneys, Legal Division
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007
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Original and thirteen (13) copies of
the foregoing filed this 7th day of
March, 2014, with:

Docket Control
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

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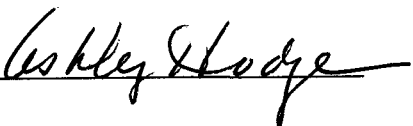
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FINAL SCHEDULES - TESTIMONY OF GERALD BECKER

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REVENUE REQUIREMENT

LINE NO.	DESCRIPTION	(A) COMPANY ORIGINAL COST	(B) COMPANY FAIR VALUE	(C) STAFF ORIGINAL COST	(D) STAFF FAIR VALUE
1	Adjusted Rate Base	\$ 27,279,072	\$ 27,279,072	\$ 26,782,933	\$ 26,782,933
2	Adjusted Operating Income (Loss)	\$ 889,596	\$ 889,596	\$ 1,324,966	\$ 1,324,966
3	Current Rate of Return (L2 / L1)	3.26%	3.26%	4.95%	4.95%
4	Required Rate of Return	10.21%	10.21%	7.90%	7.90%
5	Required Operating Income (L4 * L1)	\$ 2,784,249	\$ 2,784,249	\$ 2,115,852	\$ 2,115,852
6	Operating Income Deficiency (L5 - L2)	\$ 1,894,653	\$ 1,894,653	\$ 790,886	\$ 790,886
7	Gross Revenue Conversion Factor	1.658709	1.658709	1.649195	1.649195
8	Required Revenue Increase (L7 * L6)	\$ 3,142,679	\$ 3,142,679	\$ 1,304,325	\$ 1,304,325
9	Adjusted Test Year Revenue	\$ 9,014,985	\$ 9,014,985	\$ 9,014,985	\$ 9,014,985
10	Proposed Annual Revenue (L8 + L9)	\$ 12,157,664	\$ 12,157,664	\$ 10,319,310	\$ 10,319,310
11	Required Increase in Revenue (%)	34.86%	34.86%	14.47%	14.47%
12	Rate of Return on Common Equity (%)	11.05%	11.05%	9.60%	9.60%

References:

Column [A]: Company Schedule A-1

Column (B): Company Schedule A-1

Column (C): Staff Schedules GWB-2, GWB-3, and GWB-10

GROSS REVENUE CONVERSION FACTOR

LINE NO.	DESCRIPTION	(A)	(B)	(C)
<u>Calculation of Gross Revenue Conversion Factor:</u>				
1	Revenue	100.0000%		
2	Uncollectible Factor (Line 11)	0.5492%		
3	Revenues (L1 - L2)	99.4508%		
4	Combined Federal and State Income Tax and Property Tax Rate (Line 23)	38.8152%		
5	Subtotal (L3 - L4)	60.6356%		
6	Revenue Conversion Factor (L1 / L5)	1.649195		
<u>Calculation of Uncollectible Factor:</u>				
7	Unity	100.0000%		
8	Combined Federal and State Tax Rate (Line 17)	38.2900%		
9	One Minus Combined Income Tax Rate (L7 - L8)	61.7100%		
10	Uncollectible Rate	0.8900%		
11	Uncollectible Factor (L9 * L10)		0.54922%	
<u>Calculation of Effective Tax Rate:</u>				
12	Operating Income Before Taxes (Arizona Taxable Income)	100.0000%		
13	Arizona State Income Tax Rate	6.5000%		
14	Federal Taxable Income (L12 - L13)	93.5000%		
15	Applicable Federal Income Tax Rate (Line 44)	34.0000%		
16	Effective Federal Income Tax Rate (L14 x L15)	31.7900%		
17	Combined Federal and State Income Tax Rate (L13 + L16)		38.2900%	
<u>Calculation of Effective Property Tax Factor</u>				
18	Unity	100.0000%	6.968%	
19	Combined Federal and State Income Tax Rate (L17)	38.2900%		
20	One Minus Combined Income Tax Rate (L18-L19)	61.7100%		
21	Property Tax Factor (GWB-18, L25)	0.8510%		
22	Effective Property Tax Factor (L20*L21)		0.5252%	
23	Combined Federal and State Income Tax and Property Tax Rate (L17+L22)			38.8152%
24	Required Operating Income (Schedule GWB-1, Line 5)	\$ 2,115,852		
25	Adjusted Test Year Operating Income (Loss) (Schedule GWB-10, Line 36)	\$ 1,324,966		
26	Required Increase in Operating Income (L24 - L25)		\$ 790,886	
27	Income Taxes on Recommended Revenue (Col. (C), L48)	\$ 963,864		
28	Income Taxes on Test Year Revenue (Col. (A), L48)	\$ 473,133		
29	Required Increase in Revenue to Provide for Income Taxes (L27 - L28)		\$ 490,731	
30	Required Revenue Increase (Schedule GWB-1, Line 8)	\$ 1,304,325		
31	Uncollectible Rate (Line 10)	0.8900%		
32	Uncollectible Expense on Recommended Revenue (L30 * L31)	\$ 11,608		
33	Adjusted Test Year Uncollectible Expense - N/A	\$ -		
34	Required Increase in Revenue to Provide for Uncollectible Exp.		\$ 11,608	
35	Property Tax with Recommended Revenue (GWB-18, Line 21)	\$ 243,311		
36	Property Tax on Test Year Revenue (GWB-18, Col A, L19)	\$ 232,211		
37	Increase in Property Tax Due to Increase in Revenue (L35-L36)		\$ 11,100	
38	Total Required Increase in Revenue (L26 + L29 + L34+ L37)		\$ 1,304,325	

	(A) Test Year	(B)	(C) Staff Recommended
<u>Calculation of Income Tax:</u>			
39	Revenue (Sch GWB-10, Col.(C) L4, GWB-1, Col. (D), L10)	\$ 9,014,985	\$ 10,319,310
40	Operating Expenses Excluding Income Taxes	\$ 7,216,886	\$ 7,239,594
41	Synchronized Interest (L53)	\$ 562,442	\$ 562,442
42	Arizona Taxable Income (L39 - L40 - L41)	\$ 1,235,658	\$ 2,517,275
43	Arizona State Income Tax Rate	6.5000%	6.5000%
44	Arizona Income Tax (L42 x L43)	\$ 80,318	\$ 163,623
45	Federal Taxable Income (L42 - L44)	\$ 1,155,340	\$ 2,353,652
46	Federal Tax	\$ 392,816	\$ 800,242
47	Total Federal Income Tax	\$ 392,816	\$ 800,242
48	Combined Federal and State Income Tax (L43 + L47)	\$ 473,133	\$ 963,864

50	Effective Tax Rate		
<u>Calculation of Interest Synchronization:</u>			
51	Rate Base (Schedule GWB-3, Col. (C), Line 18)		N/A
52	Weighted Average Cost of Debt		\$ 26,782,933
53	Synchronized Interest (L50 X L51)		2.1000%
			\$ 562,442

RATE BASE - ORIGINAL COST

LINE NO.		(A) COMPANY AS FILED	(B) STAFF ADJUSTMENTS	(C) STAFF AS ADJUSTED
1	Plant in Service	\$ 69,511,815	\$ 585,474	\$ 70,097,289
2	Less: Accumulated Depreciation	25,734,123	(413,375)	25,320,748
3	Net Plant in Service	\$ 43,777,692	\$ 998,849	\$ 44,776,541
	<u>LESS:</u>			
4	Contributions in Aid of Construction (CIAC)	\$ 14,991,871	\$ -	\$ 14,991,871
5	Less: Accumulated Amortization	2,529,950	-	2,529,950
6	Net CIAC	12,461,921	-	12,461,921
7	Advances in Aid of Construction (AIAC)	4,008,916	-	4,008,916
8	Customer Meter Deposits	1,950		1,950
9	Deferred Income Taxes	1,271,696		1,271,696
10	FHSD Settlement	449,580		449,580
	<u>ADD:</u>			
11	Working Capital Allowance	1,009,341	(887,090)	122,251
12	Deferred Debits	686,104	(607,898)	78,206
13	Original Cost Rate Base	<u>\$ 27,279,072</u>	<u>\$ (496,139)</u>	<u>\$ 26,782,933</u>

References:

Column (A), Company Schedule B-2
Column (B): Schedule GWB-4
Column (C): Column (A) + Column (B)

Chaparral City Water Company
Docket No. W-02113A-13-0118
Test Year Ended December 31, 2012

Schedule GWB-4
FINAL SCHEDULES

SUMMARY OF ORIGINAL COST RATE BASE ADJUSTMENTS

LINE NO.	ACCT. NO.	DESCRIPTION	[A] COMPANY AS AMENDED	[B] Reclassification ADJ #1 GWB-5	[C] Post Test Year Plant ADJ #2 GWB-6	[E] UPIS & ACC. DEPREC. ADJ #3 GWB-7	[F] ADFUC Deferral ADJ #4 GWB-8	[G] Working Capital ADJ #5 GWB-9	[I] STAFF ADJUSTED
<u>PLANT IN SERVICE:</u>									
1	303	Other Intangible Plant	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	303	Land and Land Rights	1,554,591						1,554,591
3	304	Structures and Improvements - Pumping							-
4	304	Structures and Improvements - Treatment							-
5	304	Structures and Improvements - T & D							-
6	304	Structures & Improvements - General	1,795,309		168,610	-			1,963,919
7	305	Collecting and Impounding Reservoirs	6,970			-			6,970
8	307	Wells	953,001		(793,374)				159,627
9	309	Supply Mains	0						-
10	311	Pumping Equipment & Other Pumping Plant	4,280,661		(130,000)	-			4,150,661
11	320.1	Water Treatment Equipment	6,950,895		741,809	-			7,692,704
12	330	Reservoirs and Tanks		-					-
13	330.1	Storage Tanks	9,445,000		(575,439)	-			8,869,561
14	331	Transmission and Distribution Mains	24,727,626		838,725	-			25,566,351
15	333	Services	11,329,034		150,079	-			11,479,113
16	334	Meters	3,219,624		(181,450)	-			3,038,174
17	335	Hydrants	2,050,005		45,030	-			2,095,035
18	339	Other Transmission & Distribution Plant	2,142,685		(22,842)	-			2,119,843
19	339	Other Transmission & Distribution Plant							-
20	340	Office Furniture and Equipment, Computers,	305,068						305,068
21	341	Transportation Equipment	426,581		389	-			426,970
22	343	Power Operated Equipment & Tool, Shop an	222,438		189,169				411,607
23	345	Power Operated Equipment	0						-
24	346	Communication Equipment	102,327		154,768				257,095
25	347	Other General Plant				-			-
26		Company's reconciling Adjustment							-
27	Total Plant in Service		69,511,815	-	585,474	-			70,097,289
28									
29	Accumulated Depreciation		25,734,123		76,988	(490,363)			25,320,748
30	Net Plant in Service		\$ 43,777,692	\$ -	\$ 508,486	\$ 490,363	\$ -	\$ -	\$ 44,776,541
31									
32	<u>LESS:</u>								
33	Contributions in Aid of Construction (CIAC)		\$ 14,991,871						\$ 14,991,871
34	Less: Accumulated Amortization		2,529,950						2,529,950
35	Net CIAC (L63 - L64)		12,461,921						12,461,921
36	Advances in Aid of Construction (AIAC)		4,008,916						4,008,916
37	Customer Meter Deposits		1,950						1,950
38	Deferred Income Taxes		1,271,696						1,271,696
39	FHSD Settlement		449,580						449,580
40	<u>ADD:</u>								-
41	Working Capital Allowance		1,009,341					(887,090)	122,251
42	Deferred Debits		686,104	-	-		(607,898)		78,206
43	Original Cost Rate Base		\$ 27,279,072	\$ -	\$ 508,486	\$ 490,363	\$ (607,898)	\$ (887,090)	\$ 26,782,933

Chaparral City Water Company
Docket No. W-02113A-13-0118
Test Year Ended December 31, 2012

Schedule GWB-5
FINAL SCHEDULES

RATE BASE ADJUSTMENT #1 RECLASSIFICATION (THIS ADJUSTMENT NO LONGER NECESSARY)

LINE NO.	ACCT NO.	Description	[A] COMPANY AS FILED	[B] STAFF ADJUSTMENTS	[C] STAFF AS ADJUSTED
1	330 330.1	Reservoirs and Tanks Storage Tanks			

References:

Column [A] : Amount reflected in Acct. 330, Reservoirs and Tanks

Column [B] , Col [C] less Col [A]

Column [C] , Per testimony GWB

RATE BASE ADJUSTMENT #2 POST TEST YEAR PLANT

LINE NO.	ACCT NO. & DESCRIPTION OF PROJECT	[A] ORIGINAL PROJECT ESTIMATES	[B] STAFF AS ADJUSTED	[C] STAFF ADJUSTMENT
1	304500 Office & Ops Center	-	168,610	168,610
2	311000 Electrical Annual Program	130,000	-	(130,000)
3	307000 Well #10 Arsenic Treatment	793,374		(793,374)
4	320.1 Well #10 Arsenic Treatment	-	1,077,467	1,077,467
5	Subtotal (Net Inc.) to Acct. 320.1	-	1,077,467	1,077,467
5	320000 Shea WTP Filter Media	59,369	73,035	13,666
6	320000 Shea WTP Improvements	350,000	676	(349,324)
7	Total Adj to Acct 320.1	409,369	1,151,178	741,809
8	330000 Reservoir #2 Rehabilitation	595,860	670,421	74,561
9	330000 Lotus Reservoir 3	-	-	-
10	330000 Crestview Reservoir 7	-	-	-
11	330000 2013 Recurring Projects - Facilities	650,000	-	(650,000)
12	Total Adj to 330.1	1,245,860	670,421	(575,439)
13	331001 Distribution System	53,577	66,964	13,387
14	331001 Distribution Improvements	300,000	1,125,338	825,338
15	331001 Misc system improvements	-	-	-
16	331001 Main breaks	-	-	-
17	331001 Manholes replaced	-	-	-
18	331001 Valves new	-	-	-
19	331001 Valves replaced	-	-	-
20	331001 Mains scheduled	-	-	-
21	Total Adj to Acct 331.1	353,577	1,192,302	838,725
22	333000 Services Replaced	410,000	560,079	150,079
23	334100 Meters Replaced	300,000	118,550	(181,450)
24	335000 Hydrants Replaced	10,000	55,030	45,030
25	339600 Comprehensive Planning Study (Chloramination)	132,558	109,716	(22,842)
26	341100 Vehicles	9,248	9,637	389
27	343000 Tools & Equipment	31,777	220,946	189,169
28	343000 Tools & Equipment	-	-	-
29	Total Adj to Acct. 343	31,777	220,946	189,169
30	346000 ESRI Project (GIS)	-	-	-
31	346200 IPT Deployment	59,000	213,768	154,768
32	346200 Scada & Firewall	-	-	-
	Total Adj to Acct. 346	59,000	213,768	154,768
33	347000 Security	-	-	-
34	Comprehensive Planning Study (Well 11 Restoration)	-	-	-
35	Comprehensive Planning Study	-	-	-
36	Reservoir #2 Rehabilitation	-	-	-
37	Reservoir #2 Rehabilitation	-	-	-
38	Developer Funded	-	-	-
39	Totals	3,884,763	4,470,237	585,474

References:

Column [A] : Amount per Company application and response to Staff DR

Column [B] , Col [C] less Col [A]

Column [C] : Amount per Company response to Staff DR and Testimony GWB

RATE BASE ADJUSTMENT #3 UTILITY PLANT IN SERVICE AND ACCUMULATED DEPRECIATION

			[A]	[B]	[C]	[D]	[E]	[F]
Line	Sub.		Company				Staff Calculated	
No.	Acct.	Description Company Application	Plant Balance 12/31/2012	Company Subtotal	Staff	Adjustment	Accum Depreciations	Fully Depreciated
1	303100	Other Intangible Plant	-	-	-	-	-	-
2	303600	Land and Land Rights	1,554,591	1,554,591	1,554,591	-	-	-
3	304200	Structures and Improvements - Pumping						
4	304300	Structures and Improvements - Treatment						
5	304400	Structures and Improvements - T & D						
6	304500	Structures & Improvements - General	1,795,309	1,795,309	1,795,309	-	694,767	
7	305000	Collecting and Impounding Reservoirs	6,970	6,970	6,970	-	660	
8	307000	Wells	159,627	159,627	159,627	-	108,329	
9	309000	Supply Mains				-		
10	311000	Pumping Equipment & Other Pumping Plant	4,150,661	4,150,661	4,150,661	-	3,502,552	1,539,667
11	320100	Water Treatment Equipment	6,541,526	6,541,526	6,541,526	-	1,509,048	
12	330000	Reservoirs and Tanks	8,199,140	8,199,140	8,199,140	-	3,046,816	
13	331001	Transmission and Distribution Mains	24,374,049	24,374,049	24,374,049	-	9,606,641	
14	333000	Services	10,919,034	10,919,034	10,919,034	-	2,320,901	
15	334100	Meters	2,919,624	2,919,624	2,919,624	-	2,374,387	
16	335000	Hydrants	2,040,005	2,040,005	2,040,005	-	389,993	
18	339100	Other Transmission & Distribution Plant	2,010,127	2,010,127	2,010,127	-	946,814	
19	340100	Office Furniture and Equipment, Computers	305,068	305,068	305,067	(1)	152,715	
20	341100	Transportation Equipment	417,333	417,333	417,333	-	487,368	400,253
21	343000	Power Operated Equipment & Tool, Shop ar	190,661	190,661	190,662	1	76,075	
22	345000	Power Operated Equipment	-	-	-	-	25	
23	346200	Communication Equipment	43,327	43,327	43,327	-	26,668	
24	347000	Other General Plant				-		
26	Total		\$ 65,627,052	\$ 65,627,052	\$ 65,627,052	\$ -	\$ 25,243,759	\$ 1,939,920
						Attach. A	\$ 25,243,760	
						Diff.	\$ (1)	

Notes:

Col [A]-[D] Note: The above reflected the corrected E-5 submitted by the Company at hearing. As a result, Staff's reclassification entry in no longer necessary.

Col [E] Staff Acc. Depreciation Amounts Per Attachment A, Amended Surrebuttal

Col [F] Fully Depreciated plant per analysis on Attachment A, Amended Surrebuttal

Chaparral City Water Company
Docket No. W-02113A-13-0118
Test Year Ended December 31, 2012

Schedule GWB-8
FINAL SCHEDULES

RATE BASE ADJUSTMENT #4 REVERSAL OF AFUDC AND DEFERRED DEPRECIATION DEFERRAL

LINE NO.	ACCT NO.	Description	[A] COMPANY AS FILED	[B] STAFF ADJUSTMENTS	[C] STAFF AS ADJUSTED
1		Deferred Debits	607,898	(607,898)	-

References:

Column [A] : Amount reflected on Co Schedule B-2, as part of Deferred Debits

Column [B] , Col [C] less Col [A]

Column [C] , Per testimony GWB

RATE BASE ADJUSTMENT #5 CASH WORKING CAPITAL

Line No.	(A) Description	(B) Proforma Test Year Amount	(C) Revenue Lag (Lead) Days	(D) Expense Lag (Lead) Days	(E) Net Lag (Lead) Days Col. C - Col. D	(F) Lead/Lag Factor Col. E/365	(G) Cash Working Capital Required Col. B * Col. F
5	OPERATING EXPENSES						
6	Labor	\$ 1,024,112	34.93	13.09	21.84	0.05983271	\$ 61,275
7	Purchased Water	1,116,879	34.93	43.67	(8.74)	-0.0239481	(26,747)
8	Fuel & Power	\$ 585,139	34.93	27.86	7.07	0.01936695	11,332
9	Chemicals	\$ 115,182	34.93	(79.22)	114.15	0.31273681	36,022
10	Waste Disposal	\$ 7,113	34.93	41.90	(6.97)	-0.0190988	(136)
11	Intercompany Support Services	\$ 94,150	34.93	29.99	4.94	0.01353134	1,274
12	Corporate Allocation	\$ 352,892	34.93	30.00	4.93	0.01350394	4,765
13	Outside Services	\$ 458,293	34.93	88.00	(53.07)	-0.1454002	(66,636)
14	Group Insurance	\$ 178,067	34.93	12.00	22.93	0.06281901	11,186
15	Pensions	\$ 85,086	34.93	67.98	(33.05)	-0.0905509	(7,705)
16	Insurance Other Than Group	\$ 73,025	34.93	(26.14)	61.07	0.16731216	12,218
17	Customer Accounting	\$ 330,567	34.93	26.53	8.40	0.02301079	7,607
18	Rents	\$ 1,504	34.93		34.93	0.09569572	144
19	General Office Expense	\$ 164,179	34.93	39.69	(4.76)	-0.013044	(2,142)
20	Miscellaneous	\$ 158,553	34.93	(3.22)	38.15	0.10451764	16,572
21	Maintenance Expense	\$ 388,614	34.93	17.28	17.65	0.04835325	18,791
22	Intest Expense ¹	\$ 562,442	34.93	91.25	(56.32)	-0.1543043	(86,787)
24	TAXES						
25	General Taxes-Property ¹	\$ 243,311	34.93	213.96	(179.0294)	(0.4905)	\$ (119,342)
26	General Taxes-Other	\$ 86,320	34.93	3.03	31.8989	0.0874	7,544
27	Income Tax ¹	\$ 963,864	34.93	37.00	(2.0711)	(0.0057)	(5,469)
28	TOTAL	\$ 6,989,294					<u>\$ (126,234)</u>

CASH WORKING CAPITAL REQUIREMENT

¹At proposed rates.

	Per Co	Per Staff	Adjustment
34 Cash Working Capital Requirement	\$ (19,817)	\$ (126,234)	\$ (106,417)
35 Required Bank Balances	780,673	-	(780,673)
36 Prepayments	248,484	248,484	-
37 Total Working Capital Allowance	1,009,341	122,250	(887,090)

OPERATING INCOME STATEMENT - TEST YEAR AND STAFF RECOMMENDED

LINE NO.	DESCRIPTION	(A) COMPANY TEST YEAR AS FILED	(B) STAFF TEST YEAR ADJUSTMENTS	(C) STAFF TEST YEAR AS ADJUSTED	(D) STAFF RECOMMENDED CHANGES	(E) STAFF RECOMMENDED
	Revenues	\$ -	\$ -	\$ -	\$ -	\$ -
1	Water Revenues	8,915,656	-	8,915,656	1,304,326	10,219,982
2	Other Revenues	99,329	-	99,329	-	99,329
3		-	-	-	-	-
4	Total Operating Revenues	\$ 9,014,985	\$ -	\$ 9,014,985	\$ 1,304,326	\$ 10,319,310
	Operating Expenses					
5	Labor	\$ 1,024,112	\$ -	\$ 1,024,112	\$ -	\$ 1,024,112
6	Purchased Water	1,065,953	50,926	1,116,879	-	1,116,879
7	Fuel & Power	605,885	(20,746)	585,139	-	585,139
8	Chemicals	119,266	(4,084)	115,182	-	115,182
9	Waste Disposal	7,113	-	7,113	-	7,113
10	Intercompany Support Services	94,150	-	94,150	-	94,150
11	Corporate Allocation	500,330	(147,438)	352,892	-	352,892
12	Outside Services	508,106	(49,813)	458,293	-	458,293
13	Group Insurance	178,067	-	178,067	-	178,067
14	Pensions	85,086	-	85,086	-	85,086
15	Regulatory Expense	91,668	-	91,668	-	91,668
16	Insurance Other Than Group	73,025	-	73,025	-	73,025
17	Customer Accounting	318,959	-	318,959	11,609	330,567
18	Rents	1,504	-	1,504	-	1,504
19	General Office Expense	164,179	-	164,179	-	164,179
20	Miscellaneous	158,553	-	158,553	-	158,553
21	Maintenance Expense	388,614	-	388,614	-	388,614
22	Depreciation & Amortization	2,014,048	(329,108)	1,684,940	-	1,684,940
23	General Taxes-Property	251,038	(18,828)	232,210	11,100	243,310
24	General Taxes-Other	86,320	-	86,320	-	86,320
25	Income Taxes	389,412	83,721	473,133	490,731	963,864
26	Total Operating Expenses	\$ 8,125,389	\$ (435,370)	\$ 7,690,019	\$ 513,439	\$ 8,203,459
27	Operating Income (Loss)	\$ 889,596	\$ 435,370	\$ 1,324,966	\$ 790,887	\$ 2,115,852

References:

Column (A): Company Schedule C-1
Column (B): Schedule GWB 11
Column (C): Column (A) + Column (B)
Column (D): Schedules GWB 2, Lines 29, 34 and 37
Column (E): Column (C) + Column (D)

SUMMARY OF OPERATING INCOME ADJUSTMENTS - TEST YEAR

LINE NO.	DESCRIPTION	[A] COMPANY AS FILED	[B] Excess Water Loss	[C] Inc. Comp. ADJ #2 GWB-13	[D] Purchased Water Exp ADJ #3 GWB-14	[E] Deprec. Exp ADJ #5 GWB-16	[F] PROPERTY TAXES ADJ #5 GWB-18	[G] Income Taxes ADJ #6 GWB-17	[H] External Audit Fees - IDA, See Docket: W-02113A- 13-0047	[I] STAFF ADJUSTED
1	Revenues									
2	Water Revenues	\$ 8,915,656	-	-	-	-	-	-	-	8,915,656
3	Other Revenues	99,329	-	-	-	-	-	-	-	99,329
3	Total Operating Revenues	\$ 9,014,985	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,014,985
4	Operating Expenses									
5	Labor	\$ 1,024,112								\$ 1,024,112
6	Purchased Water	1,065,953	(39,598)		90,524		\$ -	\$ -		\$ 1,116,879
7	Fuel & Power	605,885	(20,746)				-	-		585,139
8	Chemicals	119,266	(4,084)				-	-		115,182
9	Waste Disposal	7,113								7,113
10	Intercompany Support Services	94,150								94,150
11	Corporate Allocation	500,330		(147,438)						352,892
12	Outside Services	508,106								458,293
13	Group Insurance	178,067								178,067
14	Pensions	85,086								85,086
15	Regulatory Expense	91,668								91,668
16	Insurance Other Than Group	73,025								73,025
17	Customer Accounting	318,959								318,959
18	Rents	1,504								1,504
19	General Office Expense	164,179								164,179
20	Miscellaneous	158,553								158,553
21	Maintenance Expense	388,614								388,614
22	Depreciation & Amortization	2,014,048								1,684,940
23	General Taxes-Property	251,038								232,210
24	General Taxes-Other	86,320								86,320
25	Income Taxes	389,412								473,133
25	Total Operating Expenses	\$ 8,125,389	\$ (64,428)	\$ (147,438)	\$ 90,524	\$ (329,108)	\$ (18,828)	\$ 83,721		\$ 7,690,019
26	Operating Income	\$ 889,596	\$ 64,428	\$ 147,438	\$ (90,524)	\$ 329,108	\$ 18,828	\$ (83,721)		\$ 1,324,966

OPERATING INCOME ADJUSTMENT #1 - EXCESS WATER LOSS

LINE
NO.

1	One plus allowable water loss	110.00%
2	One plus actual water loss	113.90%
3	Allowable portion	96.58%
4	Disallowable portion	3.42%
5	Power Expense	\$ 605,885
6	Disallowance	20,746
7	Chemical Expense	\$ 119,266
8	Disallowance	4,084
9	Purchased Water Expense	\$ 1,156,477
10	Disallowance	39,598

Line 1: Maximum acceptable level of water losses

Line 2: Actual level of water losses

Line 3: Line 2 / line 3

Line 4: 1 minus line 4

Lines 5, and 7: Per Schedule GWB-11, Col [A]

Line 9 : Per Schedule GWB-11, Col [A] plus Col [D]

Line 6: Line 5 times line 4

Line 8: Line 7 times line 4

Line 10: Line 9 times line 4

Chaparral City Water Company
Docket No. W-02113A-13-0118
Test Year Ended December 31, 2012

Schedule GWB-13
FINAL SCHEDULES

OPERATING INCOME ADJUSTMENT #2 - INCENTIVE COMPENSATION & CONTRIBUTIONS, DUES

LINE NO.	DESCRIPTION	[A] COMPANY PROPOSED	[B] STAFF ADJUSTMENTS	[C] STAFF RECOMMENDED
1	Incentive Comp	\$ 89,517	\$ (89,517)	\$ -
2	Contributions and Dues	\$ 57,921	\$ (57,921)	\$ -
	Total Adjustment	\$ 147,438	\$ (147,438)	\$ -

References:

Column (A), Per Company Response to Staff data request

Column (B): Testimony GWB

Column (C): Column (A) + Column (B)

Chaparral City Water Company
Docket No. W-02113A-13-0118
Test Year Ended December 31, 2012

Schedule GWB-14
FINAL SCHEDULES

OPERATING INCOME ADJUSTMENT #3 - PURCHASED WATER EXPENSE

LINE NO.	DESCRIPTION	[A] COMPANY PROPOSED	[B] STAFF ADJUSTMENTS	[C] STAFF RECOMMENDED
1		\$ 1,065,953	\$ 90,524	\$ 1,156,477

References:

Column (A), Company Workpapers

Column (B): Testimony GWB

Column (C): Column (A) + Column (B), Per Co Response
to Staff DR 4.4

OPERATING INCOME ADJUSTMENT #4 - DEPRECIATION EXPENSE

LINE NO.	ACCT. NO.	DESCRIPTION	[A] PLANT BALANCE	[B] FULLY DEPRECIATED	[C] DEPRECIABLE AMOUNT	[D] DEPRECIATION RATE	[E] DEPRECIATION EXPENSE
1		<u>PLANT IN SERVICE:</u>					
2	303	Other Intangible Plant	\$ -		\$ -	0.00%	-
3	303	Land and Land Rights	1,554,591		1,554,591	0.00%	-
4	304	Structures and Improvements - Pumping	-		-	3.33%	-
5	304	Structures and Improvements - Treatment	-		-	3.33%	-
6	304	Structures and Improvements - T & D	-		-	3.33%	-
7	304	Structures & Improvements - General	1,963,919		1,963,919	3.33%	65,399
8	305	Collecting and Impounding Reservoirs	6,970		6,970	2.50%	174
9	307	Wells	159,627		159,627	3.33%	5,316
10	309	Supply Mains	-		-	2.00%	-
11	311	Pumping Equipment & Other Pumping Plant	4,150,661	(1,539,667)	2,610,994	12.50%	326,374
12	320.1	Water Treatment Equipment	7,692,704		7,692,704	3.33%	256,167
13	330	Reservoirs and Tanks	-		-	0.00%	-
14	330.1	Storage Tanks	8,869,561		8,869,561	2.22%	196,904
15	331	Transmission and Distribution Mains	25,566,351		25,566,351	2.00%	511,327
16	333	Services	11,479,113		11,479,113	3.33%	382,254
17	334	Meters	3,038,174		3,038,174	8.33%	253,080
18	335	Hydrants	2,095,035		2,095,035	2.00%	41,901
19	339	Other Transmission & Distribution Plant	2,119,843		2,119,843	6.67%	141,394
20	339	Other Transmission & Distribution Plant	-		-	6.67%	-
21	340	Office Furniture and Equipment, Computers, Software, Peripherals	305,068		305,068	6.67%	20,348
22	341	Transportation Equipment	426,970	(400,253)	26,717	20.00%	5,343
23	343	Power Operated Equipment & Tool, Shop and Garage Equipment	411,607		411,607	5.00%	20,580
24	345	Power Operated Equipment	-		-	5.00%	-
25	346	Communication Equipment	257,095		257,095	10.00%	25,710
26	347	Other General Plant	-		-	10.00%	-
27		Company's reconciling Adjustment	-		-		-
28		Total Utility Plant in Service	\$ 70,097,289	\$ (1,939,920)	\$ 68,157,369		\$ 2,252,271
29		Less: Non Depreciable Plant					
30		Other Intangible Plant			1,554,591		
31		Net Depreciable Plant and Depreciation Amounts			\$ 66,602,778		\$ 2,252,271
32							
33		Amortization of CIAC			\$ 14,991,871	3.3816%	506,972
34		Staff Recommended Depreciation Expense					\$ 1,745,299
35		Deferred CAP Amortization					15,641
36		Amortization of Gains on FHSD Settlement					(76,000)
							\$ 1,684,940
37		Company Proposed Depreciation Expense					2,014,048
38		Staff Adjustment					\$ (329,108)

References:
Col [A] Schedule GWB-4
Col [B] Fully Depreciated Plant, per Testimony
Col [C] Col [A] less Col [B]
Col [D] Proposed Rates per Staff Engineering
Col [E] Col [A] times Col [B]

Chaparral City Water Company
Docket No. W-02113A-13-0118
Test Year Ended December 31, 2012

Schedule GWB-17
FINAL SCHEDULES

OPERATING INCOME ADJUSTMENT #5 - INCOME TAXES

<u>LINE NO.</u>	<u>DESCRIPTION</u>	<u>[A] COMPANY PROPOSED</u>	<u>[B] STAFF ADJUSTMENTS</u>	<u>[C] STAFF RECOMMENDED</u>
1	Income Taxes	<u>\$ 389,412</u>	<u>\$ 83,721</u>	<u>\$ 473,133</u>

References:

Column (A), Company Schedule C-2

Column (B): Testimony GWB

Column (C): Column (A) + Column (B),
see also Sch. GWB-2, line 48

OPERATING INCOME ADJUSTMENT #6 - PROPERTY TAX EXPENSE GRCF COMPONENT

LINE NO.	DESCRIPTION	[A] STAFF AS ADJUSTED	[B] STAFF RECOMMENDED
1	Staff Adjusted Test Year Revenues - 2011	\$ 9,014,985	\$ 9,014,985
2	Weight Factor	2	2
3	Subtotal (Line 1 * Line 2)	18,029,971	18,029,971
4	Staff Adjusted Test Year Revenues - 2011	9,014,985	
5	Staff Recommended Revenue		10,319,311
6	Subtotal (Line 4 + Line 5)	27,044,956	28,349,282
7	Number of Years	3	3
8	Three Year Average (Line 5 / Line 6)	9,014,985	9,449,761
9	Department of Revenue Multiplier	2	2
10	Revenue Base Value (Line 7 * Line 8)	18,029,971	18,899,521
11	Plus: 10% of CWIP	161,294	161,294
12	Less: Net Book Value of Licensed Vehicles	-	-
13	Full Cash Value (Line 10 + Line 11 - Line 12)	18,191,265	19,060,815
14	Assessment Ratio	18.5%	18.5%
15	Assessment Value (Line 13 * Line 14)	3,365,384	3,526,251
16	Composite Property Tax Rate	6.9000%	6.9000%
17	Staff Test Year Adjusted Property Tax Expense (Line 15 * Line 16)	\$ 232,211	
18	Company Proposed Property Tax	251,038	
19	Staff Test Year Adjustment (Line 17 - Line 18)	\$ (18,828)	
20	Property Tax on Staff Recommended Revenue (Line 15 * Line 16)		\$ 243,311
21	Staff Test Year Adjusted Property Tax Expense (Line 17)		232,211
22	Increase in Property Tax Due to Increase in Revenue Requirement		\$ 11,100
23	Increase in Property Tax Due to Increase in Revenue Requirement (Line 22)		\$ 11,100
24	Increase in Revenue Requirement		\$ 1,304,326
25	Increase in Property Tax Per Dollar Increase in Revenue (Line 23 / Line 24)		0.85100%

REFERENCES:

Line 15: Composite Tax Rate, per Company
Line 18: Company Schedule C-1, Line 36

RATE DESIGN SCHEDULES

Monthly Usage Charge	Present	Company Proposed Rates	Staff Recommended Rates
Meter Size (All Classes):			
3/4 Inch	16.50	22.30	19.25
3/4 Inch Low Income	-	14.80	11.75
1 Inch	27.50	37.19	32.11
1 Inch (Low Income)	-	29.69	24.61
1 1/2 Inch	55.00	74.38	64.21
2 Inch	88.00	119.00	102.73
3 Inch	176.00	238.00	205.47
4 Inch	275.00	371.88	321.04
6 Inch	550.00	743.77	642.10
8 Inch	880.00	1,190.02	1,027.34
10 Inch	1,265.00	1,710.66	1,476.81
12 Inch	2,365.00	3,198.19	2,761.00
Commodity Charge - Per 1,000 Gallons All Classes			
<u>3/4" Meter - Residential, Commercial, Irrigation & Hydrant</u>			
First 3,000 gallons	\$ 2.3100	\$ 3.1061	\$ 2.000
3,001 to 9,000 gallons	2.9600	3.9850	3.460
Over 9,000 gallons	3.6100	4.8640	4.169
<u>1" Meter - Residential, Commercial, Irrigation & Hydrant</u>			
First 24,000 gallons	2.9600	3.9850	3.460
Over 24,000 gallons	3.6100	4.8640	4.169
<u>1 1/2" Meter - Residential, Commercial, Irrigation & Hydrant</u>			
First 60,000 gallons	2.9600	3.9850	3.460
Over 60,000 gallons	3.6100	4.8640	4.169
<u>2" Meter - Residential, Commercial, Irrigation & Hydrant</u>			
First 100,000 gallons	2.9600	3.9850	3.460
Over 100,000 gallons	3.6100	4.8640	4.169
<u>3" Meter - Residential, Commercial, Irrigation & Hydrant</u>			
First 225,000 gallons	2.9600	3.9850	3.460
Over 225,000 gallons	3.6100	4.8640	4.169
<u>4" Meter - Residential, Commercial, Irrigation & Hydrant</u>			
First 350,000 gallons	2.9600	3.9850	3.460
Over 350,000 gallons	3.6100	4.8640	4.169
<u>6" Meter - Residential, Commercial, Irrigation & Hydrant</u>			
First 725,000 gallons	2.9600	3.9850	3.460
Over 725,000 gallons	3.6100	4.8640	4.169
<u>8" Meter - Residential, Commercial, Irrigation & Hydrant</u>			
First 1,125,000 gallons	2.9600	3.9850	3.460
Over 1,125,000 gallons	3.6100	4.8640	4.169
<u>10" Meter - Residential, Commercial, Irrigation & Hydrant</u>			
First 1,500,000 gallons	2.9600	3.9850	3.460
Over 1,500,000 gallons	3.6100	4.8640	4.169
<u>12" Meter - Residential, Commercial, Irrigation & Hydrant</u>			
First 2,250,000 gallons	2.9600	3.9850	3.460
Over 2,250,000 gallons	3.6100	4.8640	4.169

	Present	Company Proposed Rates	Staff Recommended Rates
Fire Lines:			
Up to 8"	\$ 10.00	\$ 13.62	*
10"	10.00	13.62	*
12"	10.00	13.62	*
*2% of monthly minimum for a comparable size meter connection, but no less than \$10.00 per month. The service charge for fire sprinklers is only applicable for service lines separate and distinct for the primary water service line.			
Other Service Charges:			
Establishment	\$ 25.00	\$ 60.00	\$ 30.00
Establishment (After Hours)	\$ 35.00	\$ 90.00	NT
Reconnection (Delinquent)	\$ 35.00	\$ 60.00	\$ 35.00
Reconnection (Delinquent) - After Hours	\$ 50.00	\$ 90.00	N/T
Meter Test (If Correct)	\$ 35.00	\$ 30.00	\$ 35.00
Deposit	*	*	*
Deposit Interest	**	**	**
Reestablishment (within 12 months)	***	***	***
NSF Check	\$ 25.00	\$ 25.00	\$ 25.00
Late Payment Penalty	1.5% per month	1.5% per month	1.5% per month
Deferred Payment	1.5% per month	1.5% per month	1.5% per month
Moving Meter at Customer Request	At Cost	At Cost	At Cost
Meter Re-read (if correct)	\$ 25.00	\$ 10.00	\$ 10.00
Service Calls -After Hours	see above	see above	N/T
After Hours Service Charge (a)	-	-	\$ 35.00
* Per Commission Rule A.A.C. R14-2-403(B)			
** Per Commission Rule A.A.C. R14-2-403(B)			
*** Per Commission Rule A.A.C. R14-2-403(D) - Months off the system times the monthly minimum.			
In addition to the collection of regular rates, the utility will collect from its customers a proportionate share of any privilege, sales, use, and franchise tax. Per commission rule 14-2-409D(5).			
(a) In addition to the charge for any utility service provided after hours			

Service and Meter Installation Charges

Service Size	Present Service Line	Present Meter	Total Present Charge	Proposed Service Line	Proposed	Total Proposed	Recommen	Recommen	Total Recommend
5/8"	\$ 385.00	\$ 135.00	\$ 520.00	\$ 385.00	\$135.00	\$ 520.00	\$ 385.00	\$ 135.00	\$ 520.00
3/4"	\$ 385.00	\$ 215.00	\$ 600.00	\$ 385.00	\$195.00	\$ 580.00	\$ 385.00	\$ 195.00	\$ 580.00
1"	\$ 435.00	\$ 255.00	\$ 690.00	\$ 435.00	\$234.00	\$ 669.00	\$ 435.00	\$ 234.00	\$ 669.00
1-1/2"	\$ 470.00	\$ 465.00	\$ 935.00	\$ 470.00	\$367.00	\$ 837.00	\$ 470.00	\$ 367.00	\$ 837.00
2" Turbine	\$ 630.00	\$ 965.00	\$ 1,595.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
2" Comp	\$ 630.00	\$ 1,690.00	\$ 2,320.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
3" Turbine	\$ 805.00	\$ 1,470.00	\$ 2,275.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
3" Comp	\$ 845.00	\$ 2,265.00	\$ 3,110.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
4" Turbine	\$ 1,170.00	\$ 2,350.00	\$ 3,520.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
4" Comp	\$ 1,230.00	\$ 3,245.00	\$ 4,475.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
6" Turbine	\$ 1,730.00	\$ 4,545.00	\$ 6,275.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
6" Comp	\$ 1,770.00	\$ 6,280.00	\$ 8,050.00	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost
8" or larger	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost	At Cost

Fire Sprinkler	Present	Proposed	Recommended
2" Meter and Valve	At Cost		At Cost
4" Meter and Valve	At Cost		At Cost
6" Meter and Valve	At Cost		At Cost
8" Meter and Valve	At Cost		At Cost

Typical Bill Analysis
General Service 3/4-Inch Meter

Company Proposed	Gallons	Present Rates	Proposed Rates	Dollar Increase	Percent Increase
Average Usage	7,870	\$ 37.85	\$ 51.03	\$ 13.18	34.83%
Median Usage	4,892	29.03	39.16	\$ 10.13	34.89%
Staff Recommended					
Average Usage	7,870	\$ 37.85	\$ 42.10	\$ 4.26	11.24%
Median Usage	4,892	29.03	31.80	\$ 2.77	9.53%

Present & Proposed Rates (Without Taxes)
General Service 3/4-Inch Meter

Gallons Consumption	Present Rates	Company Proposed Rates	% Increase	Staff Recommended Rates	% Increase
-	\$ 16.50	\$ 22.30	35.15%	\$ 19.25	16.67%
1,000	18.81	25.41	35.07%	21.25	12.97%
2,000	21.12	28.51	35.00%	23.25	10.09%
3,000	23.43	31.62	34.95%	25.25	7.77%
4,000	26.39	35.60	34.91%	28.71	8.79%
5,000	29.35	39.59	34.88%	32.17	9.61%
6,000	32.31	43.57	34.86%	35.63	10.28%
7,000	35.27	47.56	34.84%	39.09	10.83%
8,000	38.23	51.54	34.82%	42.55	11.30%
9,000	41.19	55.53	34.81%	46.01	11.70%
10,000	44.80	60.39	34.80%	50.18	12.01%
11,000	48.41	65.26	34.80%	54.35	12.27%
12,000	52.02	70.12	34.79%	58.52	12.49%
13,000	55.63	74.98	34.79%	62.69	12.68%
14,000	59.24	79.85	34.79%	66.86	12.85%
15,000	62.85	84.71	34.78%	71.02	13.01%
16,000	66.46	89.58	34.78%	75.19	13.14%
17,000	70.07	94.44	34.78%	79.36	13.26%
18,000	73.68	99.30	34.78%	83.53	13.37%
19,000	77.29	104.17	34.78%	87.70	13.47%
20,000	80.90	109.03	34.77%	91.87	13.56%
25,000	98.95	133.35	34.77%	112.71	13.91%
30,000	117.00	157.67	34.76%	133.56	14.15%
35,000	135.05	181.99	34.76%	154.40	14.33%
40,000	153.10	206.31	34.76%	175.25	14.47%
45,000	171.15	230.63	34.75%	196.09	14.57%
50,000	189.20	254.95	34.75%	216.94	14.66%
75,000	279.45	376.55	34.75%	321.16	14.93%
100,000	369.70	498.15	34.75%	425.39	15.06%